



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 22, 2022

MEMORANDUM TO: William B. Kennedy, Acting Chief
Advanced Reactor Licensing Branch
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation *Mallecia Sutton* Signed by Sutton, Mallecia
on 03/22/22

FROM: Mallecia A. Sutton, Senior Project Manager
Advanced Reactor Licensing Branch
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF DECEMBER 1, 2021, PRE-APPLICATION
PUBLIC MEETING WITH TERRAPOWER, LLC TO DISCUSS
THE ENVIRONMENTAL METHODOLOGY FOR THE NATRIUM
REACTOR (EPID NO. L-2021-LRM-0071)

On December 1, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held an observation public meeting with TerraPower, LLC (TerraPower) to provide the NRC staff with an overview of the environmental methodology to address the purpose and need and alternatives analysis for the Natrium Reactor. The public meeting notice, dated November 17, 2021, can be found in the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML21334A531. The presentation slides can be found in ADAMS under Accession No. ML21334A527. Participants included personnel from the NRC staff, TerraPower, General Electric Hitachi, Bechtel, Duke Energy, Pacificorp, and members of the public. The enclosure to this memorandum provides the list of meeting attendees.

This pre-application interaction provided background information on the Natrium Reactor and an overview of regulatory information and preliminary wording on how to address the purpose and need and alternatives analysis for the Natrium Reactor.

The NRC staff began the public meeting with an introduction and explanation of logistical information. The NRC staff explained that the meeting was an observation meeting and that TerraPower representatives would provide the NRC staff with an overview of the environmental methodology to address the purpose and need and alternatives analysis for the Natrium Reactor.

CONTACT: Mallecia A. Sutton, NRR/DANU
301-415-0673

During the meeting, TerraPower provided information on the purpose and need statement, the need for power analysis, and the alternative energy analysis. The NRC staff gave feedback in response to questions on the draft purpose and need statement presented. At the end of the presentation, the public had an opportunity to ask questions of the NRC staff. The NRC staff asked for feedback, concerns, and any improvements that can be made to the public meeting process, at the closure of the meeting.

Project No. 99902100

Enclosure:
List of Attendees

SUBJECT: SUMMARY OF DECEMBER 1, 2021, PRE-APPLICATION PUBLIC MEETING WITH TERRAPOWER, LLC TO DISCUSS THE ENVIRONMENTAL METHODOLOGY FOR THE NATRIUM REACTOR (EPID NO. L-2021-LRM-0071) DATED: MARCH 22, 2022

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 BTharakan, NRR
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 MSpencer, OGC

ADAMS Accession Number: ML21362A763

OFFICE	NRR/DANU/UARL:PM	NRR/DANU/UARL:PM	NRR/DANU/UARL:LA
NAME	KWagner	MSutton	DGreene
DATE	03/09/2022	03/16/2022	03/21/2022
OFFICE	NRR/DANU/UARL:BC(A)	NRR/DANU/UARL:PM	
NAME	WKennedy	MSutton	
DATE	03/21/2022	03/22/2022	

OFFICIAL RECORD COPY

List of Attendees

Public Meeting between TerraPower and the NRC Staff to Discuss the Environmental Methodology for the Natrium Reactor

Wednesday, December 1, 2021

1:00 PM – 2:00 PM

<u>Name</u>	<u>Organization</u>
Mallecia Sutton	U.S. Nuclear Regulatory Commission (NRC)
William Kennedy	NRC
Katherine Wagner	NRC
Daniel Barnhurst	NRC
Patricia Vokoun	NRC
Binesh Tharakan	NRC
Michael Spencer	NRC
Ryan Sprengel	TerraPower, LLC (TerraPower)
Ian Gifford	TerraPower
Bryan Evers	TerraPower
Tara Neider	TerraPower
Olu Omotowa	TerraPower
Mark Werner	TerraPower
Lisa Schichlein	General Electric Hitachi (GEH)
Steven Kline	Bechtel
Mary Richmond	Bechtel
Karene Riley	Bechtel
Aarti Shah	Bechtel
Lee Grzeck	Duke Energy
Chuck Tack	PacifiCorp
Jana Bergman	Public Citizen
David Louis Daigle	Public Citizen
Luke Esch	Public Citizen
Ruth Horton	Public Citizen
Ingrid Nordby	Public Citizen
Adam Reichenbach	Public Citizen
Lisa Matis	Public Citizen
Shannon Anderson	Public Citizen
Steven Pope	Public Citizen
Ryder Belgrade	Public Citizen